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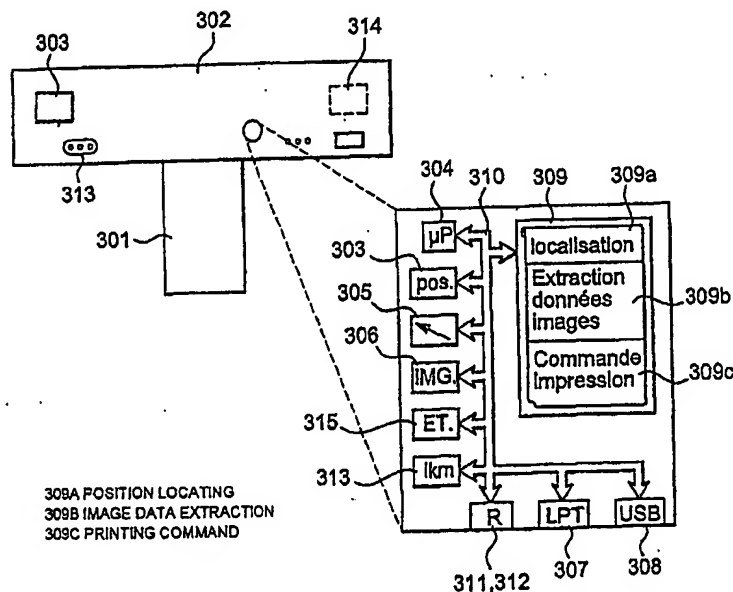
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[Suite sur la page suivante]

(54) Title: DEVICE FOR PRINTING AN IMAGE ON A LARGE SURFACE

(54) Titre : DISPOSITIF D'IMPRESSION D'UNE IMAGE SUR UNE GRANDE SURFACE



(57) Abstract: The invention relates to a device for printing an image on a large surface. The inventive device, which can be held and moved at arm's length, can determine its own location and orientation on a surface. According to the invention, the device employs the aforementioned location and orientation information in order to determine which colours are to be applied to the surface. For said purpose, the device correlates determined co-ordinates with the co-ordinates of an image stored in a memory element thereof. The stored image can be superimposed on the surface to be painted.

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# INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 B41J3/407 B41J3/36

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B41J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 357 939 B1 (BARON JOHN M) 19 March 2002 (2002-03-19) column 5, paragraph 2 - paragraph 3; figure 4	1, 2, 4-10
X	WO 01/74598 A (ANOTO AB ;ERICSON PETTER (SE); BURSTROEM STEFAN (SE)) 11 October 2001 (2001-10-11) page 7, line 26 - line 36; figures 3,5 page 10, line 5 - line 19	1-5, 7-10
X	FR 2 592 337 A (CGA ALCATEL) 3 July 1987 (1987-07-03) page 3, paragraph 2 -page 3, line 33; figure 1	1, 2, 4, 8, 10
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 825 995 A (SWEET THOMAS A ET AL) 20 October 1998 (1998-10-20) abstract; figure 3 -----	1

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6357939	B1	19-03-2002	JP	2002307756 A	23-10-2002
WO 0174598	A	11-10-2001	AU	4491001 A	15-10-2001
			EP	1272351 A1	08-01-2003
			SE	0001245 A	06-10-2001
			WO	0174598 A1	11-10-2001
			US	2002024542 A1	28-02-2002
FR 2592337	A	03-07-1987	FR	2592337 A1	03-07-1987
US 5825995	A	20-10-1998	JP	10029346 A	03-02-1998